City of Fayetteville North Carolina
ENGINEERING & INFRASTRUCTURE

Date Received:
Received by:
Payment Type:

INFRASTRUCTURE PERMIT APPLICATION

To be filled out by City of Fayetteville Engineering staff:
Infrastructure Permit Number: _____
Consultation Case Number: _____

Note: A submittal without the Application form and the applicable fee will be considered incomplete and will not be reviewed. Please see the fee schedule for all applicable fees.

MAIN*:

Check One:	☐ **COMMERCIAL**	☐ **RESIDENTIAL**
Project (Case) Name:		
Project Location & Street Address:		
City:	State:	Zip Code:

APPLICANT INFO* **(The person filling out the form must check one of the following):**
☐ **ENGINEER** ☐ **OWNER** ☐ **CONTRACTOR**

Provide email address of the engineer AND the owner to receive project updates and notifications.

ENGINEER:		
First and Last Name:	Company:	
Physical Address:		
City:	State:	Zip Code:
Work Phone:	Cell Phone:	Fax:
Email:		
Web Site:		

OWNER:		
First and Last Name:	Company:	
Physical Address:		
City:	State:	Zip Code:
Work Phone:	Cell Phone:	Fax:
Email:		

*** - indicates a required field for a complete application.**

CONTRACTOR:			
First and Last Name:		Business Name:	
Contractor Type:		Physical Address:	
City:	State:		Zip Code:
WC Liability Company:		License Num.:	License Expiration Date:
Work Phone:	Cell Phone:		Fax:
Email:			

CASE DATA*:

Site Info:			
Site Information:	☐ New Site ☐ High Density		☐ Existing Site ☐ Low Density
Water Supply Watershed (Check One):	☐ Protected Area	☐ Critical Area	☐ None

Deed Book and Page/ Plat Book and Page:	Area To Be Disturbed:
PIN #:	Total Drainage Area:
Total Acreage:	Existing Impervious Area (Acres):
Number of Lots (if applicable):	Proposed Additional Impervious Area (Acres):
Percent Increase in Impervious Area:	Total Impervious Area After Development:

Maximum Impervious Area Allowed Per Lot**:

C_{pre}:	Q_{pre} 1 year:	Q_{pre} 10 year:
C_{post}:	Q_{post} 1 year:	Q_{post} 10 year:

Number of Stormwater Control Measures (SCMs – formerly known as BMP) at Site:

Impervious Area Breakdown

Existing:	**Proposed:**	**Existing:**	**Proposed:**
Building:	Building:	Concrete:	Concrete:
Roads:	Roads:	Driveway:	Driveway:
Sidewalk:	Sidewalk:	Compacted Soil:	Compacted Soil:
Gravel:	Gravel:	Parking Lot:	Parking Lot:
Pavement:	Pavement:	Other:	Other:

**** - Commercial Developments: Impervious area allowances per lot must be shown as an attached exhibit if the impervious area per lot is not uniformly distributed.**
Residential/ commercial projects: Recorded deed & plat restriction will be required for impervious area allowances.

I, (the Owner and/or Applicant listed above), _____, certify that the information included on the permit application form is, to the best of my knowledge, correct and the project will be constructed in conformance with the approved plans, and that the proposed project complies with the requirements of the applicable stormwater rules and requirements.

Signature:_____. Date:_____.

*** - indicates a required field for a complete application.**

INFRASTRUCTURE PERMIT CHECKLIST

PERMITS: Provide hard copies of each applicable permit			
Driveway Permit	☐	Encroachment Agreement 3 Party	☐
Erosion Control Permit	☐	401 Permit	☐
Encroachment Agreement 2 Party	☐	404 Permit	☐
Other (Please specify):			

General Plan Information			
1. General Plan Layout Requirements			
Site landscaping plans	☐	Include note: "All construction to be in accordance with all City of Fayetteville standards and Specifications."	☐
Title block includes: Street or project title, limits, horizontal and vertical scales, original date, revisions date, drawing number, "checked by and drawn by".	☐	Vicinity map	☐
North Arrow for all plan views	☐	Plan view scale ≥ 1"=50'; Profile view scale: ≥ 1"=50' horizontal and 1"=5' vertical. Grid = 1' intervals	☐
Elevations in relation to mean sea level; Profile Elevations = 10' intervals on the heavy lines	☐	Benchmark elevations and locations on plan view.	☐
Building setback lines shown	☐	Driveways and parking lots shown	☐
Houses, building numbers and property owners shown on existing property	☐	Property lines, rights-of-way and easements. Clearly label street rights-of-way and easement widths	☐
Topographic maps (min. 2' contours) clearly showing limits of the site	☐	100-year floodplain boundaries and elevations shown where applicable	☐
Separate existing conditions and demolition sheets to include, but not limited to, all existing infrastructure, topography, and easements	☐	Show match lines as applicable	☐
Exact street names and applicable state road numbers.	☐	Surveyed and delineated wetlands shown on plans	☐
Drainage area maps (pre-development and post-development)	☐		
2. General Street Drawings' Requirements			
Street Profile views showing: existing centerline elevations, proposed centerline elevations and slopes, left and right top of curb/ edge of pavement elevations, station, top elevation, type, and invert elevation	☐	Complete street curve data shown. This includes but is not limited to: intersection radii, length of all arcs, internal angles, sight triangles, intersection centerlines, super elevation rates, if any, top of curb or edge of pavement profiles, vertical curve length, rate of vertical curvature (K), PVI, PVC, and PVT station and elevation, horizontal curve length, tangent, centerline radius, and delta	☐
Street typical sections showing: street and right-of-way width, sidewalk location, cross-slopes, street width **(measured to back of curb)** and pavement design	☐	Station beginning at 0+00 and labeled every 100' on plan and profile view. Plan view shows stations labeled along the survey baseline	☐
All curb radii at street intersections shall be clearly labeled	☐	5' wide – 5" thick sidewalk shown with ADA handicapped ramps shown. Sidewalk must be 7" thick across driveways. Must be shown in the plans with approved COF details and construction sequence	☐
3. General Stormwater Pipe and Utility Drawing and Display Requirements			
Show existing and proposed curb and gutter, storm sewers, roof drains, drainage structures, driveway pipes, water mains, sanitary sewers	☐	Existing and proposed pipes, manholes, stormwater structures and roof drains clearly labeled with material, size, class, slope, and length and direction of flow	☐

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All existing and proposed utility layout showing: gas, sanitary sewer, water, fiber optic, electric, and cablevision facilities located on the right-of-way	☐	10 year storm HGL Calculations and profiles (HGL must stay within system)	☐
Gutter spread calculations for public streets and residential subdivisions	☐	Culvert design (25 yr. storm)	☐
Outfall protection details and calculations	☐		
4. General SCM Requirements (formerly known as BMPs)			
Geotechnical Report with SHWT, water table elevation, infiltration rate, boring logs, and soils map	☐	SCM maintenance access easement from public ROW	☐
SCM landscaping Plans	☐	SCM Declaration of Covenants with maintenance plan, site location map, and task and schedules	☐
SCM cost estimate	☐	Stormwater narrative	☐
Volume Provided vs. Required treatment volume (1" Storm)	☐	Swale/ open channel sizing calculations	☐
3-D trash rack (Accessible and non-corrosive)	☐	Anti-flotation calculations (Safety Factor > 1.5)	☐
SCM routing calculations **(1 yr., 10 yr., 25 yr., 100 yr. storm calculations)**	☐	Stormwater fee credit application	☐
SCM supplemental data form (one form per SCM)	☐	SCM in plan view and cross section to include: A table of elevations, incremental volumes and accumulated volumes (if applicable).	☐
SCM in plan view and cross section to include: Specifications for applicable materials such as planting media, aggregate, sod, underdrains, outlet devices, quality control devices, etc.	☐	SCM in plan view and cross section to include: dimensions, side slopes, length to width ratios and elevations with a benchmark for clean-out if appropriate	☐
SCM in plan view and cross-section to include: All applicable conveyances devices, including: bypass structure, pretreatment area, flow distribution device, underdrains, outlet device, outlet dissipater and level spreader (if applicable)	☐		
5. Property Owner/ Applicant Certification			

I, (the Owner and/or Applicant listed above), _____, certify that the information included on the permit checklist form is, to the best of my knowledge, correct and the project will be constructed in conformance with the approved plans, and that the proposed project complies with the requirements of the applicable stormwater rules and requirements.

Signature:_____. Date:_____.

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Case Name: _____

SCM (Stormwater Control Measure) Supplemental Data Form
(Provide one form per SCM)

Type of SCM		Orifice(s) Elevation(s)	
Drainage Area to SCM		Barrel(s) Length(s)	
Impervious Area to each SCM (Specify SF or AC)		Emergency Spillway Elevation (if rip-rap is used then measured from the bottom of spillway embankment)	
Permanent Pool Elevation (PPE)		Bottom of Pond Elevation	
Surface Area of SCM at PPE or top of bank. (Specify SF or AC)		Sediment Storage Elevation/ Volume	
1" Storm Elevation		Top of Berm Elevation	
1 year Storm Elevation		SHWT Elevation	
10 year storm Elevation		Infiltration Rates	
100 year storm Elevation		Drawdown Time	
Top of Riser Elevation		Anti-Floatation Safety Factor (≥ 1.5)	
Orifice Quantity		Volume Required for 1" storm	
Orifice(s) Size(s):		Volume Provided for 1" storm	
SCM Coordinates **Northing:**		**Easting:**	

Description	Current Fee	Established or Last Changed
Development Plan Reviews/Infrastructure Permits		
Commercial Developments, one acre or less	$300.00	2015
Commercial Developments, between one and ten acres	$525.00	2015
Commercial Developments, in excess of ten acres	$975.00	2015
Residential Subdivisions, 50 lots or less	$525.00	2015
Residential Subdivisions, 51 to 100 lots	$750.00	2015
Residential Subdivisions, in excess of 100 lots	$975.00	2015
Resubmittal Fee, commercial or residential, per submittal	$225.00	2015
Infrastructure Inspection Fees		
Roadway Inspection Fee	$0.50 per linear ft.	2010
Storm Drainage Pipe Inspection	$0.30 per linear ft.	2010
Driveway Permits		
Driveway Permit (Commercial) $\leq$ 75,000 sq. ft.	$200.00 plus $50.00 per hour for traffic impact analysis and traffic signal modifications as applicable	2010
Driveway Permit (Commercial) > 75,000 sq. ft.	$400.00 plus $50.00 per hour for traffic impact analysis and traffic signal modifications as applicable	2010
Driveway Permit (Residential)	$50.00	2004
Resurfacing Permit	$30.00	
Sidewalk Permit	$30.00	
Right of Way Excavations		
Drainage Excavation Permit	$125.00	2015
Excavation Permit	$125.00	2015
Reinspection fee for excavation	$100.00	2015
Roadway Degradation Fee	$20 per sq. yd. of encroachment	2015
Payment in lieu of resurfacing	Estimated square yards of asphalt required times cost per square yard from the most recent resurfacing contract for labor and materials, plus applicable roadway inspection fees	2015
Sidewalk Assessment (Petitioned)	$10.00 per front foot	
Street Paving Assessments		
To improve a soil street to a strip paved street	$15.00 per front foot	2015
To install concrete curb and gutter on a strip paved street	$20.00 per front foot	2015
To pave and install concrete curb and gutter on a soil street	$35.00 per front foot	2015
Traffic Control Photographic System Citations		
Civil penalty for violation	$100.00	2015
Penalty for failure to pay or appeal a citation within 30 days after notification	$100.00	2015
Traffic Control Services and Device Rental Fees		
Labor Fee	$25.00 per man hour	2006 or prior
Equipment Fee	$25.00 per hour per piece of equipment	2006 or prior
Barricade	$2.00 per barricade per day	2006 or prior
Beacon	$1.75 per beacon per day	2006 or prior
Tripod	$0.75 per tripod per day	2006 or prior
Sign Stand	$1.25 per stand per day	2006 or prior
Traffic Control Sign	$2.00 per sign per day	2006 or prior
Flag	$0.50 per flag per day	2006 or prior
Sandbag	$0.75 per sandbag per day	2006 or prior
36" Cone	$1.00 per cone per day	2006 or prior
28"Cone	$0.50 per cone per day	2006 or prior